

# SEQUENCE LISTING

<110> Memorial Sloan-Kettering Cancer Center

<120> ARTIFICIAL ANTIGEN PRESENTING CELLS AND METHODS OF USE THEREOF

<130> 830002-2003.1

<150> 60/209,157

<151> 2000-02-06

<160> 49

<170> PatentIn version 3.0

<210> 1

<211> 9

<212> PRT

<213> Homo sapiens

<400> 1

Tyr Thr Ser Asp Tyr Phe Ile Ser Tyr  
1 5

<210> 2

<211> 9

<212> PRT

<213> Homo sapiens

<400> 2

Tyr Leu Asp Asp Pro Asp Leu Lys Tyr  
1 5

<210> 3

<211> 9

<212> PRT

<213> Homo sapiens

<400> 3

Ile Ala Asp Met Gly His Leu Lys Tyr  
1 5

<210> 4

<211> 9

<212> PRT

<213> Homo sapiens

<400> 4

Ser Thr Asp His Ile Pro Ile Leu Tyr  
1 5

<210> 5

<211> 9

09872832-060104

<212> PRT  
<213> Homo sapiens  
  
<400> 5

Asp Ser Asp Gly Ser Phe Phe Leu Tyr  
1 5

<210> 6  
<211> 9  
<212> PRT  
<213> Homo sapiens  
  
<400> 6

Ala Thr Asp Phe Lys Phe Ala Met Tyr  
1 5

<210> 7  
<211> 9  
<212> PRT  
<213> Homo sapiens  
  
<400> 7

Tyr Thr Ala Val Val Pro Leu Val Tyr  
1 5

<210> 8  
<211> 12  
<212> PRT  
<213> Homo sapiens  
  
<400> 8

Tyr Thr Asp Tyr Gly Gly Leu Ile Phe Asn Ser Tyr  
1 5 10

<210> 9  
<211> 9  
<212> PRT  
<213> Homo sapiens  
  
<400> 9

Leu Leu Asp Val Pro Thr Ala Ala Val  
1 5

<210> 10  
<211> 9  
<212> PRT  
<213> Homo sapiens  
  
<400> 10

Ser Leu Leu Pro Ala Ile Val Glu Leu  
1 5

09872832 060101

<210> 11  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 11

Tyr Leu Leu Pro Ala Ile Val Glu Ile  
1 5

<210> 12  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 12

Met Val Asp Gly Thr Leu Leu Leu Leu  
1 5

<210> 13  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 13

Tyr Met Asn Gly Thr Met Ser Gln Val  
1 5

<210> 14  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 14

Met Leu Leu Ser Val Pro Leu Leu Leu Gly  
1 5 10

<210> 15  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 15

Leu Leu Leu Asp Val Pro Thr Ala Ala Val  
1 5 10

<210> 16  
<211> 12  
<212> PRT  
<213> Homo sapiens

<400> 16

09872832-060101

Leu Leu Leu Asp Val Pro Thr Ala Ala Val Gln Ala  
1 5 10

<210> 17  
<211> 14  
<212> PRT  
<213> Homo sapiens

<400> 17

Val Leu Phe Arg Gly Gly Pro Arg Gly Leu Leu Ala Val Ala  
1 5 10

<210> 18  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 18

Ser Val Leu Asn Leu Val Ile Val Lys  
1 5

<210> 19  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 19

Lys Val Val Asn Pro Leu Phe Glu Lys  
1 5

<210> 20  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 20

Arg Thr Gln Asn Val Leu Gly Glu Lys  
1 5

<210> 21  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 21

Ala Ser Phe Asp Lys Ala Lys Leu Lys  
1 5

<210> 22  
<211> 12  
<212> PRT

09872832.060101

<213> Homo sapiens

<220>

<221> VARIANT

<222> (1)..(12)

<223> 'X' can be any amino acid

<400> 22

Ala Thr Ala Gly Asp Gly Xaa Xaa Glu Leu Arg Lys  
1 5 10

<210> 23

<211> 9

<212> PRT

<213> Homo sapiens

<400> 23

Lys Tyr Pro Asn Glu Phe Phe Leu Leu  
1 5

<210> 24

<211> 9

<212> PRT

<213> Homo sapiens

<400> 24

Tyr Tyr Glu Glu Gln His Pro Glu Leu  
1 5

<210> 25

<211> 9

<212> PRT

<213> Homo sapiens

<400> 25

Ala Tyr Val His Met Val Thr His Phe  
1 5

<210> 26

<211> 9

<212> PRT

<213> Homo sapiens

<220>

<221> VARIANT

<222> (1)..(9)

<223> 'X' can be any amino acid

<400> 26

Val Tyr Xaa Lys His Pro Val Ser Xaa

090372832.060101

1 5

<210> 27  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 27

Asp Val Phe Arg Asp Pro Ala Leu Lys  
1 5

<210> 28  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 28

Lys Thr Gly Gly Pro Ile Tyr Lys Arg  
1 5

<210> 29  
<211> 11  
<212> PRT  
<213> Homo sapiens

<400> 29

Thr Val Phe Asp Ala Lys Arg Leu Ile Gly Arg  
1 5 10

<210> 30  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 30

Ala Pro Arg Thr Val Ala Leu Thr Ala  
1 5

<210> 31  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 31

Ala Pro Arg Thr Leu Val Leu Leu Leu  
1 5

<210> 32  
<211> 9  
<212> PRT  
<213> Homo sapiens

09872832-060101

<400> 32

Ala Pro Arg Pro Pro Pro Lys Pro Met  
1 5

<210> 33

<211> 9

<212> PRT

<213> Homo sapiens

<400> 33

Ser Pro Arg Tyr Ile Phe Thr Met Leu  
1 5

<210> 34

<211> 9

<212> PRT

<213> Homo sapiens

<400> 34

Arg Pro Lys Ser Asn Ile Val Leu Leu  
1 5

<210> 35

<211> 9

<212> PRT

<213> Homo sapiens

<400> 35

Leu Val Met Ala Pro Arg Thr Val Leu  
1 5

<210> 36

<211> 10

<212> PRT

<213> Homo sapiens

<400> 36

Ala Pro Arg Thr Val Ala Leu Thr Ala Leu  
1 5 10

<210> 37

<211> 11

<212> PRT

<213> Homo sapiens

<400> 37

Ala Ala Ser Lys Glu Arg Ser Gly Val Ser Leu  
1 5 10

<210> 38

<211> 9

09872832060101

<212> PRT  
<213> Homo sapiens

<400> 38

Arg Arg Ile Lys Glu Ile Val Lys Lys  
1 5

<210> 39  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 39

Gly Arg Ile Asp Lys Pro Ile Leu Lys  
1 5

<210> 40  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 40

Arg Arg Ser Lys Glu Ile Thr Val Arg  
1 5

<210> 41  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 41

Arg Arg Val Lys Glu Val Val Lys Lys  
1 5

<210> 42  
<211> 9  
<212> PRT  
<213> Homo sapiens

<400> 42

Arg Arg Tyr Gln Lys Ser Thr Trp Leu  
1 5

<210> 43  
<211> 9  
<212> PRT  
<213> Artificial Sequence

<220>  
<221> PEPTIDE  
<222> (1)..(9)  
<223> influenza matrix protein-derived peptide.

09876332.060104



<400> 43

Gly Ile Leu Gly Phe Val Phe Thr Leu  
1 5

<210> 44

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<221> PEPTIDE

<222> (1)..(9)

<223> MART-1 protein-derived peptide

<400> 44

Gly Ile Leu Gly Phe Val Phe Thr Leu  
1 5

<210> 45

<211> 9

<212> PRT

<213> Artificial Sequence

<220>

<221> PEPTIDE

<222> (1)..(9)

<223> gp-100 modified peptide

<400> 45

Ile Met Asp Gln Val Pro Phe Ser Val  
1 5

<210> 46

<211> 9

<212> PRT

<213> Homo sapiens

<400> 46

Arg Met Phe Pro Asn Ala Pro Tyr Leu  
1 5

<210> 47

<211> 9

<212> PRT

<213> Homo sapiens

<400> 47

Arg Leu Val Asp Asp Phe Leu Leu Val

00072832 050101

1

5

<210> 48

<211> 9

<212> PRT

<213> Homo sapiens

<400> 48

Tyr Leu Leu Glu Met Leu Trp Arg Leu  
1 5

<210> 49

<211> 9

<212> PRT

<213> Homo sapiens

<400> 49

Tyr Leu Gln Gln Asn Trp Trp Thr Leu  
1 5

09872832-060101